

Title (en)

Method for producing a measurement probe path on a numerically controlled machine tool

Title (de)

Verfahren zum generieren des Verfahrensweges eines Messfühlers einer numerisch gesteuerten Werkzeugmaschine

Title (fr)

Procédé de génération du trajet de mesure d'une sonde dans une machine-outil commandée par ordinateur numérique

Publication

**EP 2270615 A1 20110105 (EN)**

Application

**EP 10011920 A 20040213**

Priority

- EP 04710926 A 20040213
- GB 0303270 A 20030213

Abstract (en)

A method for producing a measurement probe 30 inspection path on a machine tool is disclosed which includes the step of running a program e.g. a modified CAM editor program 44 which allows the selection of geometric features of a workpiece 34 to be inspected. Once selected the program will generate a measurement probe path which is included in software for loading into the numeric controller (NC) of the machine tool. The software can have cutting commands together with inspection path instructions either readable by the NC or written as unreadable instructions for use with a p.c. 20 connected to the NC controller and preferably operating at the same time as the NC.

IPC 8 full level

**G05B 19/401** (2006.01); **G05B 19/4093** (2006.01); **G05B 19/4097** (2006.01)

IPC 8 main group level

**G05B** (2006.01)

CPC (source: EP US)

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Citation (applicant)

GB 0203312 W 20020719

Citation (search report)

- [XYI] EP 0431572 A2 19910612 - MITSUBISHI ELECTRIC CORP [JP], et al
- [IY] EP 1146407 A1 20011017 - MITUTOYO CORP [JP], et al
- [I] GB 2187308 A 19870903 - MITSUBISHI ELECTRIC CORP
- [Y] US 4797811 A 19890110 - KIYOKAWA MORIO [JP], et al

Cited by

EP3101380A1; US10274297B2

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DOCDB simple family (publication)

**WO 2004072740 A2 20040826; WO 2004072740 A3 20041104**; CN 101470430 A 20090701; CN 101470430 B 20120704; CN 102637016 A 20120815; CN 1748187 A 20060315; EP 1595186 A2 20051116; EP 2270615 A1 20110105; EP 2270615 B1 20160413; EP 2273332 A1 20110112; EP 2273332 B1 20150826; GB 0303270 D0 20030319; JP 2006517472 A 20060727; JP 2008165821 A 20080717; JP 2011096276 A 20110512; JP 4680176 B2 20110511; JP 5000543 B2 20120815; JP 5819061 B2 20151118; US 2007005178 A1 20070104; US 9235205 B2 20160112

DOCDB simple family (application)

**GB 2004000585 W 20040213**; CN 200480003979 A 20040213; CN 200810182729 A 20040213; CN 201210122737 A 20040213; EP 04710926 A 20040213; EP 10011332 A 20040213; EP 10011920 A 20040213; GB 0303270 A 20030213; JP 2006502276 A 20040213; JP 2008026953 A 20080206; JP 2010283647 A 20101220; US 54507704 A 20040213